# Drafting of the domestic Application

As a below named inventor, I state hereby that I assign the entire right, title, and interest in and to said inventions to the company.

·	PM	Patent in charge	President of the
		•	intellectual property
		 	section
	Approved by	Jong-tak Kim	Choong-seok Huh
	no-yeol Park on	Requested for	Approved by Choong-
		approval by Dae-	seok Huh on
		kyun Lym on	
		<u></u>	

#### I. Comment

PM			
	·		
Patent in	Urgent (request date:		
charge			
President of	Determination of foreign application after PRC		
the			
intellectual			
property			
section			

### II. Particulars

Drafter	Jai-young	Creation '	·	Request	·
	KIM	date	,	date	
Receipt date		Receipt No.	00-P-0183	Patent in	Jong-tak Kim
				charge	

#### III. Full name of the inventor

Inventor	Jai-young KIM
	·
Personal particulars	김재영: Jai-young KIM: P-15A: 590626-1023231: 102-1304
	Samik Apt., 14 Singal-ri, Kiheung-eub Youngin-city, Kyungki-
. '	do. Republic of Korea

## IV. Personal identity of the inventor

Sector	System & Control	Lab	Nano System Lab
Subject name	Perpendicular magnetic recording	Subject code	1999065N1
	mechanism		
Section	As request	Application	Hard disk drive

Title of the invention	미세 자구를 적용한 유사 2층막 구조의 수직 자기 기록 디스크
in Korean	

Abstract	in	수직 자기 기록 디스크에서 통상적인 잡음 출력의 감소 방법은 보자력이
Korean	٠.	최대치인 막두께를 적용하는 것이다. 그러나, 이 방법은 연자성 삽입막을
1		적층한 유사 2층막 구조의 수직 자기 기록 디스크에서는 Jitter noise에 의
·		한 잡음 출력의 증가로 인하여 충분하지 못하다. 본 발명에서는 초박막 지
	-	록 자성층을 유사 2층막 구조의 수직 자기 디스크에 적용하여 미세한 자구
		를 형성함으로 잡음 출력을 최소화 하여, 우수한 기록 재생비를 얻었다.
Title of	the	Thin pseudo double layerd perpendicular magnetic recording disks
invention	in	
English		
Abstract	in	The conventional method to reduce a noise level in a perpendicular
English		magnetic recording (PMR) disk is to adapt the recording layer thickness
		of the largest coercive force. However, this noise level is not sufficient
		to obtain exellent signal to noise from an intermediate soft magnetic
	•	layer. In this invention, further reduction of the noise level can be
		achieved by the formation of fine magnetic domains in a thin pseudo
		double layered PMR disk.
Keyword		Perpendicular magnetic recording disks

## V. Earlier invention

Item	Section	Particulars	
Original study paper ?	No	Time: , Voi/Page:/	
Experimental TEST ?	Yes	Time:	
·Public disclosure prior to réquest for	No	Time:, Place:/	
application ?		Reason:	
Public disclosure after request for	Yes	Time:	
application ?		. *	

